

=> d his

(FILE 'HOME' ENTERED AT 14:53:51 ON 16 NOV 2007)

FILE 'MEDLINE, BIOSIS, EMBASE, CAPLUS, SCISEARCH' ENTERED AT 14:54:10 ON
16 NOV 2007

L1 5628 S PHLEUM
L2 12681 S PRATENSE
L3 10701 S "GRASS POLLEN"
L4 23074 S L1 OR L2 OR L3
L5 10354 S L4 AND ALLERG?
L6 940 S L5 AND PHL
L7 18 S L5 AND PHLP
L8 951 S L6 OR L7
L9 101 S "PHLP 4" OR "PHL P 4" OR "PHL P4" OR PHLP4 OR "PHLP IV" OR "P
L10 99 S L9 AND L8
L11 31 DUP REMOVE L10 (68 DUPLICATES REMOVED)

=> expand fiebig h/au

E1 6 FIEBIG G/AU
E2 2 FIEBIG G H/AU
E3 457 --> FIEBIG H/AU
E4 931 FIEBIG H H/AU
E5 98 FIEBIG H J/AU
E6 2 FIEBIG H JOCHEN/AU
E7 99 FIEBIG H R/AU
E8 7 FIEBIG H RUDOLF/AU
E9 7 FIEBIG HANS J/AU
E10 2 FIEBIG HANS JOACHIM/AU
E11 17 FIEBIG HANS JOCHEN/AU
E12 1 FIEBIG HEINE H/AU

=> s e3 or e4 or e5 or e6 or e7

L12 1587 "FIEBIG H"/AU OR "FIEBIG H H"/AU OR "FIEBIG H J"/AU OR "FIEBIG
H JOCHEN"/AU OR "FIEBIG H R"/AU

=> expand nandy a/au

E1 1 NANDWATE H D/AU
E2 3 NANDY/AU
E3 307 --> NANDY A/AU
E4 9 NANDY A C/AU
E5 54 NANDY A K/AU
E6 17 NANDY A N/AU
E7 2 NANDY A S/AU
E8 8 NANDY AMITAB/AU
E9 7 NANDY AMITABHA/AU
E10 42 NANDY ANDREAS/AU
E11 2 NANDY ANIRVAN S/AU
E12 3 NANDY ANITA/AU

=> s e10 or e7 or e6 or e5 or e4 or e3 or e2

L13 434 "NANDY ANDREAS"/AU OR "NANDY A S"/AU OR "NANDY A N"/AU OR "NANDY
A K"/AU OR "NANDY A C"/AU OR "NANDY A"/AU OR NANDY/AU

=> expand suck r/au

E1 1 SUCK NAM GI/AU
E2 1 SUCK PIERRE/AU
E3 94 --> SUCK R/AU
E4 2 SUCK R L/AU
E5 1 SUCK R W/AU
E6 2 SUCK R W L/AU
E7 3 SUCK REINER/AU
E8 1 SUCK RO Y/AU
E9 4 SUCK ROEHRIG U/AU

```

E10      4      SUCK ROHRIG U/AU
E11      61     SUCK ROLAND/AU
E12      2      SUCK ROLAND W L/AU

=> s e3 or e4 or e5 or e6 or e7 or e8 or e11 or e12
L14      166    "SUCK R"/AU OR "SUCC R L"/AU OR "SUCC R W"/AU OR "SUCC R W L"/AU
          OR "SUCC REINER"/AU OR "SUCC RO Y"/AU OR "SUCC ROLAND"/AU OR
          "SUCC ROLAND W L"/AU

=> expand cromwell o/au
E1        1      CROMWELL NORMAN/AU
E2        196    CROMWELL NORMAN H/AU
E3        566    --> CROMWELL O/AU
E4        1      CROMWELL O F W/AU
E5        102    CROMWELL OLIVER/AU
E6        1      CROMWELL OLIVER F W/AU
E7        19     CROMWELL P/AU
E8        24     CROMWELL P F/AU
E9        13     CROMWELL P R/AU
E10       5      CROMWELL P W/AU
E11       2      CROMWELL PAMELA L/AU
E12       1      CROMWELL PATRICIA/AU

=> s e3 or e4 or e5 or e6
L15      670    "CROMWELL O"/AU OR "CROMWELL O F W"/AU OR "CROMWELL OLIVER"/AU
          OR "CROMWELL OLIVER F W"/AU

=> expand petersen a/au
E1        1      PETERSEMLIDIS D/AU
E2        19     PETERSEN/AU
E3        993    --> PETERSEN A/AU
E4        18     PETERSEN A A/AU
E5        62     PETERSEN A B/AU
E6        189    PETERSEN A C/AU
E7        1      PETERSEN A C B/AU
E8        4      PETERSEN A C JR/AU
E9        12     PETERSEN A D/AU
E10       21     PETERSEN A E/AU
E11       6      PETERSEN A F/AU
E12       24     PETERSEN A G/AU

=> s e2 or e3 or e4 or e5 or e6 or e7 or e8 or e9 or e10 or e11 or e12
L16      1349    PETERSEN/AU OR "PETERSEN A"/AU OR "PETERSEN A A"/AU OR "PETERSEN
          A B"/AU OR "PETERSEN A C"/AU OR "PETERSEN A C B"/AU OR "PETERSEN
          A C JR"/AU OR "PETERSEN A D"/AU OR "PETERSEN A E"/AU OR "PETERS
          EN A F"/AU OR "PETERSEN A G"/AU

=> expand becker w/au
E1        3      BECKER VOLKMAR/AU
E2        3      BECKER VON ROSE P/AU
E3        3827   --> BECKER W/AU
E4        132    BECKER W A/AU
E5        2      BECKER W A P/AU
E6        154    BECKER W B/AU
E7        1      BECKER W B AND H G ABBOTT/AU
E8        150    BECKER W C/AU
E9        34     BECKER W D/AU
E10       50     BECKER W E/AU
E11       78     BECKER W F/AU
E12       65     BECKER W G/AU

=> s e3
L17      3827   "BECKER W"/AU

```

=> s 117 or 116 or 115 or 114 or 113 or 112
L18 7692 L17 OR L16 OR L15 OR L14 OR L13 OR L12

=> dup
ENTER REMOVE, IDENTIFY, ONLY, OR (?):remove
ENTER L# LIST OR (END):118
PROCESSING IS APPROXIMATELY 12% COMPLETE FOR L18
PROCESSING IS APPROXIMATELY 34% COMPLETE FOR L18
PROCESSING IS APPROXIMATELY 51% COMPLETE FOR L18
PROCESSING IS APPROXIMATELY 90% COMPLETE FOR L18
PROCESSING COMPLETED FOR L18
L19 4347 DUP REMOVE L18 (3345 DUPLICATES REMOVED)

=> s 119 and grass
L20 139 L19 AND GRASS

=> s 120 and pollen
L21 125 L20 AND POLLEN

RESULT 18
ADJ11662
ID ADJ11662 standard; protein; 534 AA.
XX
AC ADJ11662;
XX
DT 20-MAY-2004 (first entry)
XX
DE Rice protein modulated by post-transcriptional gene silencing SeqID
298.
XX
KW rice; post-transcriptional gene silencing; PTGS; plant; trans-
activation;
KW cereal; plant-viral interaction.
XX
OS Oryza sp.
XX
PN US2003135888-A1.
XX
PD 17-JUL-2003.
XX
PF 26-SEP-2002; 2002US-00259165.
XX
PR 26-SEP-2001; 2001US-0325277P.
PR 27-MAR-2002; 2002US-0368327P.
PR 04-APR-2002; 2002US-0370620P.
XX
PA (ZHUT/) ZHU T.
PA (WANG/) WANG X.
PA (CHAN/) CHANG H.
PA (BRIG/) BRIGGS S P.
PA (COOP/) COOPER B.
PA (GLAZ/) GLAZEBROOK J.
PA (GOFF/) GOFF S A.
PA (KATA/) KATAGIRI F.
PA (KREP/) KREPS J.
PA (MOUG/) MOUGHAMER T.
PA (PROV/) PROVART N.
PA (RICK/) RICKE D.
XX
PI Zhu T, Wang X, Chang H, Briggs SP, Cooper B, Glazebrook J;
PI Goff SA, Katagiri F, Kreps J, Moughamer T, Provart N, Ricke D;
XX
DR WPI; 2003-829655/77.
DR N-PSDB; ADJ11661.
XX
PT New polynucleotide, useful for modulating gene expression within a
cell
PT by posttranscriptional gene silencing.
XX
PS Claim 7; SEQ ID NO 298; 79pp; English.
XX
CC This invention relates to a novel method for identifying isolated
CC polynucleotides that are modulated by post-transcriptional gene
silencing
CC (PTGS). Specifically, it refers to the regulation of gene
expression in
CC plants via PTGS and the trans-activation of homologous genes due to
CC increased RNA degradation. The present invention describes clusters
of
CC polynucleotides from cereals, in particular rice, as well as

homologues
CC and the polypeptide sequences derived thereof, where gene
expression is
CC altered in response to PTGS. As such, the elucidation of gene
silencing
CC mechanisms can lead to more efficiently expressed transgenes, and
can
CC also improve the understanding of plant-viral interactions and
targeting
CC the suppression of specific plant genes. This polypeptide sequence
is a
CC rice protein sequence that is modulated by gene silencing, given in
an
CC exemplification of the invention. NOTE: This sequence does not
appear in
CC the printed specification but has been obtained in electronic
format from
CC the US patent office at
CC <ftp://seqdata.uspto.gov/sequence.html?DocID=20030135888>.
XX
SQ Sequence 534 AA;

Query Match . 47.4%; Score 1275.5; DB 7; Length 534;
Best Local Similarity 50.2%; Pred. No. 5.4e-118;
Matches 252; Conservative 82; Mismatches 145; Indels 23;
Gaps 9;

Qy 71 CGRRHGVRIRVRSRGHDYEGLSYRSLQ-PEEFAVVDSL --
 KMRAVWVDGKARTAWVDSGA 127
 ||| ||| :| ||||||| ||||| ||| :||| :| ||| ||| |||
 Db 98 CGECHGVSVRSRGHDYEGLSYRSLDAARAFAVVDMAGGAIRAVRVDVI.GRAAWVGSGA 157

Qy 128
QLGELYYYAIHKASTVLAFPAGVCPTIGVGGNFAGGGFGMLLRKYGIAAENVIDVKLVDAN 187
| :|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:|:
Db 158
TIGEVVYIAANKTSRIGEPGSVGPTVGVGGFLSGGGEGLMLRKHGLASDHVILDATMVEAK 217

Qy 248
 RWQVVAPQLPDDLMIRVIAQGPTATFEAMYLGTCQTLPMMSKFPELGMNASHCNEMSW 307
 || : | : || | : || : | | || : || | | : | | : || | : || |
 Db 278
 KMWVYARDSLRSDAELRVVYVONONAQEEESIYLCTRAGLVAAMADAERELNYTASDGLIEMTW 337

Qy 308 IQSIPFVHLGHRDNIEDDLLNRRNNTFKP--
 FAEYKSDYVYEPFPKRVWEQIFSTWLKPG 365
 :||: : :||:| | :| : :||| ||| :|| :||| :|||
 |
 Db 338 VQSVLYFAFYGTGKPPEMLLDR-GTGRPDRYFKAKSDYVQEPMPSQVWETTWS-
 WLLKDG 395
 ||:| ||| :: ||||| :| :||| :| ||| :| :|||
 Qy 366 AGIMIFDPYGATISATPEWATPFPHRKGVLFNIQYVNYWFAPGAGAAPP--
 LSWSKEIYNY 423
 ||:| ||| :: ||||| :| :||| :| ||| :| :|||
 Db 396 AGLLILDPYGGEMARVAPAATPFPHRQ-
 ALYNIQYYGFWSSESGEAAAACKHMGWIRGVYGE 454
 ||:| ||| :: ||||| :| :||| :| :||| :| :|||
 Qy 424 MEPYVSKNPRQAYANYRDIDLGRNEVVNDVSTFSSGL-----
 VWGQKYFKGNFQRL 474
 ||:| ||| :: ||||| :| :||| :| :||| :| :|||
 ||
 Db 455 MEPYVSKNPRGAYVNYRDLDLG----
 VNDDGDGGGVARARYEKATVWGRAYFKANFERL 510
 ||:| ||| :: ||||| :| :||| :| :|||
 Qy 475 AITKGKVDPTDYFRNEQSIPPL 496
 ||:| ||| :: ||||| :| :||| :| :|||
 Db 511 AAVKAKVDPDNYFKNEQSIPPL 532

WEST Search History

[Hide Items](#) [Restore](#) [Clear](#) [Cancel](#)

DATE: Friday, November 16, 2007

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT; THES=ASSIGNEE; PLUR=YES; OP=AND</i>			
<input type="checkbox"/>	L1	phl or phlp	979
<input type="checkbox"/>	L2	L1 and grass	167
<input type="checkbox"/>	L3	L2	167
<input type="checkbox"/>	L4	L2	167
<input type="checkbox"/>	L5	"phleum pratense"	310
<input type="checkbox"/>	L6	l4 or L5	419
<input type="checkbox"/>	L7	L6 and allerg\$	320
<input type="checkbox"/>	L8	phlp4 or phlpIV or "phl p 4" or "Phl p IV" or "Phlp 4" or "Phlp IV" or "Phl p4" or "Phl pIV"	16

END OF SEARCH HISTORY